

**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/GB2004/004314

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04R17/00 H04R7/04 H01L41/09

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04R H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, IBM-TDB, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | GB 2 386 026 A (1 LTD)<br>3 September 2003 (2003-09-03)<br>page 7, line 10 – page 9, line 6<br>claim 1; figures 3A,3B,5A,5B  | 1,10-33               |
| A          | -----  | 2-9                   |
| A          | WO 03/001841 A (LONGBOTTOM SIMON ANDREW ;<br>SHEPHERD MARK RICHARD (GB); 1 LTD (GB);<br>MCKE) 3 January 2003 (2003-01-03)<br>cited in the application<br>page 12, line 14 – page 13, line 12<br>page 15, line 16 – page 16, line 30<br>figures 1B,3,5A,9A,9B,10B | 1-33                  |
|            | -----  | -/-                   |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*E\* earlier document but published on or after the International filing date
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- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

22 December 2004

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03/01/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|----------|--|-----------------------|
| A        | US 2003/095678 A1 (LENEL URSULA RUTH ET AL) 22 May 2003 (2003-05-22)<br>page 1, left-hand column, paragraph 4 -<br>page 1, right-hand column, paragraph 2<br>page 4, left-hand column, paragraph 3 -<br>page 5, left-hand column, paragraph 3<br>page 11, right-hand column, last paragraph<br>- page 12, right-hand column, last<br>paragraph<br>figures 1-3,21-25,61,62<br>_____ | 1-33                  |

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International Application No  
PCT/GB2004/004314

| Patent document cited in search report |    | Publication date | Patent family member(s)  |  | Publication date |
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| GB 2386026                             | A  | 03-09-2003       | NONE   |  |                  |
| WO 03001841                            | A  | 03-01-2003       | EP 1397937 A2<br>WO 03001841 A2<br>JP 2004531173 T<br>US 2004202338 A1   | 17-03-2004<br>03-01-2003<br>07-10-2004<br>14-10-2004   |                  |
| US 2003095678                          | A1 | 22-05-2003       | AU 2016501 A<br>AU 2016801 A<br>CN 1434985 T<br>EP 1240676 A2<br>WO 0147041 A2<br>WO 0147318 A2<br>GB 2364169 A ,B<br>GB 2376834 A ,B<br>JP 2003518752 T<br>US 2004017129 A1 | 03-07-2001<br>03-07-2001<br>06-08-2003<br>18-09-2002<br>28-06-2001<br>28-06-2001<br>16-01-2002<br>24-12-2002<br>10-06-2003<br>29-01-2004 |                  |